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PROFESSIONAL STANDARD

OF THE PEOPLE'S REPUBLIC OF CHINA

中华人民共和国安全生产行业标准

AQ 3013-2008

General Norms for Safety Standardization of Hazardous Chemical Enterprises

危险化学品　从业单位安全标准化通用规范

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Contents

Foreword i
1 Scope 1
2 Normative References 1
3 Terms and Definitions 2
4 Requirements 4
5 Management Elements 5

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General Norms for Safety Standardization of Hazardous Chemical Enterprises

危险化学品　从业单位安全标准化通用规范

1 Scope

This standard specifies the general principle, process and requirements of safety standardization developed by chemical enterprises (hereinafter referred to as enterprises).

This standard is applicable to enterprises producing, using and storing hazardous chemicals and business enterprises having storage facilities of hazardous chemicals within the territory of PRC.

2 Normative References

The following standards contain provisions which, through reference in this standard, constitute provisions of this standard. For dated reference, subsequent amendments to (excluding correction to), or revisions of, any of these publications do not apply. However, all parties coming to an agreement according to this standard are encouraged to study whether the latest edition of these documents is applicable. For undated references, the latest editions apply.

GB 2894	Safety Signs
GB 11651	Selection Rules of Articles for Labor Protection Use
GB 13690	Classification and Labels of Dangerous Chemical Substances Commonly Used
GB 15258	General Rules for Preparation of Precautionary Label for Chemicals
GB 16179	Guidelines for the Use of Safety Signs
GB 16483	General Rules for Preparation of Chemical Safety Data Sheet
GB 18218	Identification of Major Hazard Sources
GB 50016	Code of Design on Building Fire Protection and Prevention
GB 50057	Design Code for Protection of Structures against Lightning
GB 50058	Electrical Installations Design Code for Explosive Atmospheres and Fire Hazard

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GB 50140	Code for Design of Extinguisher Distribution in Buildings
GB 50160	Fire Prevention Code of Petrochemical Enterprise Design
GB 50351	Code for Design of Fire-dike in Storage Tank Farm
GBZ 1	Hygienic Standards for the Design of Industrial Enterprises
GBZ 2	Occupational Exposure Limit for Hazardous Agents in the Workplace
GBZ 158	Warning Signs for Occupational Hazards in the Workplace
AQ/T 9002	Guidelines for Enterprises to Develop Emergency
SH 3063-1999	Specifications for Design of Combustible Gas and Toxic Gas Detection and Alarm Systems in Petrochemical Industry
SH 3097-2000	Code for the Design of Static Electricity Grounding for Petrochemical Industry

3 Terms and Definitions

For the purposes of this standard, the following terms and definitions apply.

3.1

Chemical enterprise

Enterprises which are lawfully established to produce, operate, use and store hazardous chemicals or the entities having independent cost accounting for production, operation, use and storage of hazardous chemicals they belong to.

3.2

Safety standardization

The rules which are developed to obtain the best order in work safety activities, thus to ensure that the safety management and production conditions meet the requirements of the laws, administrative regulations, department rules and standards.

3.3

Key facility

Production facilities for technological operations under the flammable, explosive, toxic, harmful, corrosive, high-temperature, high-pressure, vacuum, cryogenic, hydrogenating and hydrocarbon-oxidizing conditions.

3.4

Key site

Places in which inflammable, explosive and highly toxic hazardous chemicals are produced, stored and used; tank farm, loading-unloading platform (station), oil depot, warehouses, etc. where explosion and fire may occur; utility systems which are crucial to work safety of key facilities.

3.5

Resources

Manpower, financial resources, facilities, technologies and methods required for implementation of safety standardization.

3.6

Interested party

Individuals or groups focusing on occupational health and safety performance of

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enterprises or those under its influence.

3.7

Supplier

External individuals or groups who provide raw materials, equipment and facilities, as well as services to enterprises.

3.8

Contractor

Individuals or groups who provide services to enterprises at the working site according to the requirements, period and conditions of mutual agreement.

3.9

Incident

The conditions result in or may result in accidents.

3.10

Accident

Unforeseen circumstances causing death, occupational disease, injury, property loss or other losses.

3.11

Hazardous elements

The source or state that may cause injury, disease, property loss and environmental destruction.

3.12

Hazard identification

The process to identify potential hazardous elements and determine their characteristics.

3.13

Risk

The combination of the possibility of occurrence of specific hazardous incident and its consequence.

3.14

Risk assessment

The process to assess the risk level and determine whether it is affordable.

3.15

Safe performance

The measurable results obtained by controlling and eliminating risks according to work safety policies and targets.

3.16

Change

Permanent or temporary changes with regard to staff, management, process, technology, facility, etc.

3.17

Potential accidents

Unsafe conditions of working places, equipment or facilities, unsafe behavior of personnel and management defects.

3.18

Serious potential accidents

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